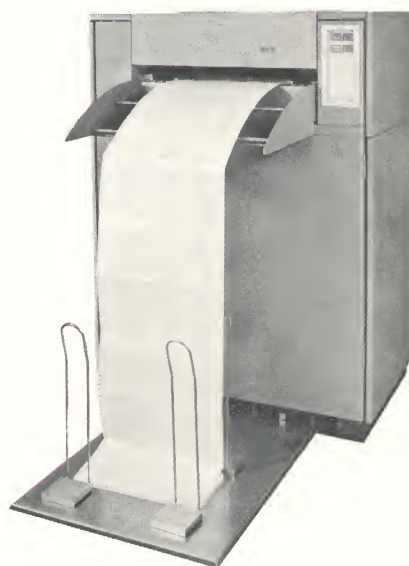




EM-C2 HIGH SPEED PRINTER



The improved NCR High Speed Printer is an output peripheral device for use in data processing. There are 56 characters per column and up to 160 columns on each line of print. (A 64 character set will be available the 1st quarter of 1966). These characters are arranged on the typewheel in order of their normal statistical use. Therefore, in most instances, it is probable that the full line will be printed soon enough after the start of a revolution of the typewheel to allow slewing and refilling of a buffer before the next revolution starts. This makes speeds of up to 1000 lines per minute (alphanumeric) possible.

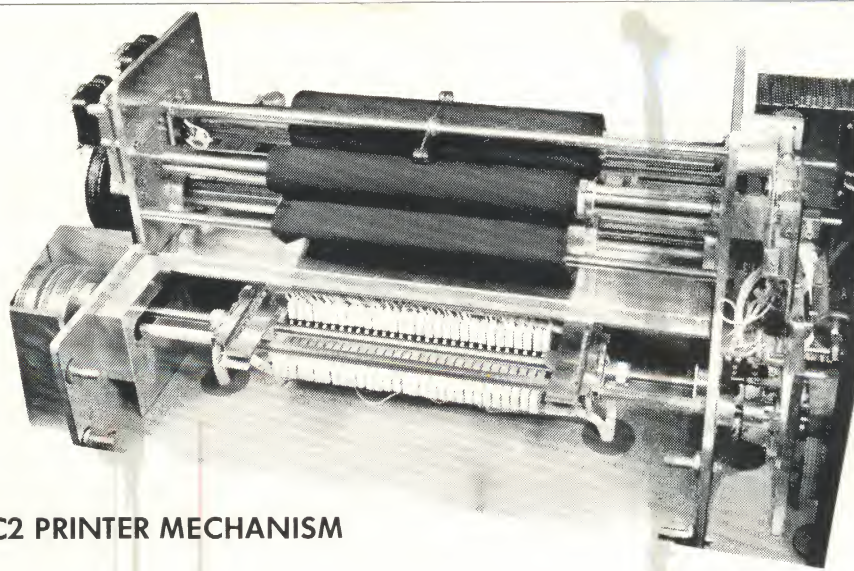
Another improvement to the NCR printer is the addition of an Optical Code Generator. This device is attached to the end of the typeline and turns with it to produce a binary representation of each character as it approaches the typeline, and also a clock pulse.

The Basic EM-C2 consists only of the mechanical elements necessary for printing with no electronics. This would include: a typeline "drum" of up to 160 columns, its bearings and supports; and motor to drive the typeline; the paper movement assembly

with its tractors, clutch, brake and motor; individual ribbon drive motors and supports for the ribbon; improved high impact solenoids for the required number of columns; a programmable perforated tape assembly (VFU) which controls form size, layout, etc.; the Optical Code Generator, and a deck plate assembly on which all these are mounted. The deck plate is in turn shock mounted to a cabinet frame.

The EM-C2 printer has numerous options available, such as frames, panels, paper handling mechanisms, etc.





EM-C2 PRINTER MECHANISM

SPECIFICATIONS:

Power Requirements:

115VAC 60 cps @ 1 K VA

Optional power inputs of 115VAC 50 cps
230VAC 60 cps
230VAC 50 cps

Equipment Size (including Frame):

Height, 52-1/2", Width, 38-1/8", Depth, 24-1/8"

Environmental Specifications:

The printer will operate properly with ambient temperature limits 100°F maximum and 50°F minimum and with relative humidity between 20% and 80%.

The printer, when not in operation, can withstand an ambient temperature range of 160°F maximum to -30°F minimum and relative humidity of 10% to 90%, providing the temperature cycling rate does not exceed 60°F per hour or the rate at which condensation will not occur.

Mechanical:

Speed: Alphanumeric up to 1000 LMP.

Characters: Any 56 alphanumeric characters.

Columns: Standard type line up to 160 columns (variable in increments of one).

Format Control: Vertical – by vertical format loop, horizontal by program control.

Spacing: 6 lines per inch vertically, 10 characters per inch horizontally.

Copies: original + 5

Form Size: Width 4" to 20".

Paper Advance Rate: 15 IPS.